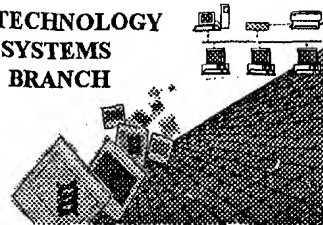


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BIOTECHNOLOGY  
SYSTEMS  
BRANCH



**RAW SEQUENCE LISTING TECH CENTER 1600/2900**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/315,355 B  
Source: 1600  
Date Processed by STIC: 12/2/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



1600

## RAW SEQUENCE LISTING

DATE: 12/02/2003

PATENT APPLICATION: US/09/315,355B

TIME: 13:05:40

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Output Set: N:\CRF4\12022003\I315355B.raw

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 4 Obar, Robert  
 5 Wu, Ying-Jye  
 7 <120> TITLE OF INVENTION: Methods for the Detection of Cervical Cancer  
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Does Not Comply  
Corrected Diskette Needed  
pp 2-5

## ERRORED SEQUENCES

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 799 145 150 155 160  
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see p.2

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/315,355B

DATE: 12/02/2003

TIME: 13:05:40

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✓ the following  
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in  
the  
middle of  
sequence  
34

See pp 3-5

## RAW SEQUENCE LISTING

DATE: 12/02/2003

PATENT APPLICATION: US/09/315,355B

TIME: 13:05:40

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PATENT APPLICATION: US/09/315,355B

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DATE: 12/02/2003

PATENT APPLICATION: US/09/315,355B

TIME: 13:05:40

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DATE: 12/02/2003

TIME: 13:05:40

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/315,355B

DATE: 12/02/2003

TIME: 13:05:40

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Output Set: N:\CRF4\12022003\I315355B.raw

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1254	Pro Ala Pro Ala Ser Phe Lys Phe Gly Thr Ser Glu Thr Ser Lys		
1255	1580	1585	1590
1258	Ala Pro Lys Ser Gly Phe Glu Gly Met Phe Thr Lys Lys Glu Gly		
1259	1595	1600	1605
1262	Gln Trp Asp Cys Ser Val Cys Leu Val Arg Asn Glu Ala Ser Ala		
1263	1610	1615	1620
1266	Thr Lys Cys Ile Ala Cys Gln Asn Pro Gly Lys Gln Asn Gln Thr		
1267	1625	1630	1635
1270	Thr Ser Ala Val Ser Thr Pro Ala Ser Ser Glu Thr Ser Lys Ala		
1271	1640	1645	1650
1274	Pro Lys Ser Gly Phe Glu Gly Met Phe Thr Lys Lys Glu Gly Gln		
1275	1655	1660	1665
1278	Trp Asp Cys Ser Val Cys Leu Val Arg Asn Glu Ala Ser Ala Thr		
1279	1670	1675	1680
1282	Lys Cys Ile Ala Cys Gln Asn Pro Gly Lys Gln Asn Gln Thr Thr		
1283	1685	1690	1695
1286	Ser Ala Val Ser Thr Pro Ala Ser Ser Glu Thr Ser Lys Ala Pro		
1287	1700	1705	1710
1290	Lys Ser Gly Phe Glu Gly Met Phe Thr Lys Lys Glu Gly Gln Trp		
1291	1715	1720	1725
1294	Asp Cys Ser Val Cys Leu Val Arg Asn Glu Ala Ser Ala Thr Lys		
1295	1730	1735	1740
1298	Cys Ile Ala Cys Gln Cys Pro Ser Lys Gln Asn Gln Thr Thr Ala		
1299	1745	1750	1755



## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/315,355B

DATE: 12/02/2003

TIME: 13:05:40

Input Set : N:\paola\09315355.txt

Output Set: N:\CRF4\12022003\I315355B.raw

1302	Ile	Ser	Thr	Pro	Ala	Ser	Ser	Glu	Ile	Ser	Lys	Ala	Pro	Lys	Ser
1303		1760					1765					1770			
1306	Gly	Phe	Glu	Gly	Met	Phe	Ile	Arg	Lys	Gly	Gln	Trp	Asp	Cys	Ser
1307		1775					1780					1785			
1310	Val	Cys	Cys	Val	Gln	Asn	Glu	Ser	Ser	Ser	Leu	Lys	Cys	Val	Ala
1311		1790					1795					1800			
1314	Cys	Asp	Ala	Ser	Lys	Pro	Thr	His	Lys	Pro	Ile	Ala	Glu	Ala	Pro
1315		1805					1810					1815			
1318	Ser	Ala	Phe	Thr	Leu	Gly	Ser	Glu	Met	Lys	Leu	His	Asp	Ser	Ser
1319		1820					1825					1830			
1322	Gly	Ser	Gln	Val	Gly	Thr	Gly	Phe	Lys	Ser	Asn	Phe	Ser	Glu	Lys
1323		1835					1840					1845			
1326	Ala	Ser	Lys	Phe	Gly	Asn	Thr	Glu	Gln	Gly	Phe	Lys	Phe	Gly	His
1327		1850					1855					1860			
1330	Val	Asp	Gln	Glu	Asn	Ser	Pro	Ser	Phe	Met	Phe	Gln	Gly	Ser	Ser
1331		1865					1870					1875			
1334	Asn	Thr	Glu	Phe	Lys	Ser	Thr	Lys	Glu	Gly	Phe	Ser	Ile	Pro	Val
1335		1880					1885					1890			
1338	Ser	Ala	Asp	Gly	Phe	Lys	Phe	Gly	Ile	Ser	Glu	Pro	Gly	Asn	Gln
1339		1895					1900					1905			
1342	Glu	Lys	Lys	Ser	Glu	Lys	Pro	Leu	Glu	Asn	Gly	Thr	Gly	Phe	Gln
1343		1910					1915					1920			
1346	Ala	Gln	Asp	Ile	Ser	Gly	Gln	Lys	Asn	Gly	Arg	Gly	Val	Ile	Phe
1347		1925					1930					1935			
1350	Gly	Gln	Thr	Ser	Ser	Thr	Phe	Thr	Phe	Ala	Asp	Leu	Ala	Lys	Ser
1351		1940					1945					1950			
1354	Thr	Ser	Gly	Glu	Gly	Phe	Gln	Phe	Gly	Lys	Lys	Asp	Pro	Asn	Phe
1355		1955					1960					1965			
1358	Lys	Gly	Phe	Ser	Gly	Ala	Gly	Glu	Lys	Leu	Phe	Ser	Ser	Gln	Tyr
1359		1970					1975					1980			
1362	Gly	Lys	Met	Ala	Asn	Lys	Ala	Asn	Thr	Ser	Gly	Asp	Phe	Glu	Lys
1363		1985					1990					1995			
1366	Asp	Asp	Asp	Ala	Tyr	Lys	Thr	Glu	Asp	Ser	Asp	Asp	Ile	His	Phe
1367		2000					2005					2010			
1370	Glu	Pro	Val	Val	Gln	Met	Pro	Glu	Lys	Val	Glu	Leu	Val	Thr	Gly
1371		2015					2020					2025			
1374	Glu	Glu	Asp	Glu	Lys	Val	Leu	Tyr	Ser	Gln	Arg	Val	Lys	Leu	Phe
1375		2030					2035					2040			
1378	Arg	Phe	Asp	Ala	Glu	Val	Ser	Gln	Trp	Lys	Glu	Arg	Gly	Leu	Gly
1379		2045					2050					2055			
1382	Asn	Leu	Lys	Ile	Leu	Lys	Asn	Glu	Val	Asn	Gly	Lys	Leu	Arg	Met
1383		2060					2065					2070			
1386	Leu	Met	Arg	Arg	Glu	Gln	Val	Leu	Lys	Val	Cys	Ala	Asn	His	Trp
1387		2075					2080					2085			
1390	Ile	Thr	Thr	Thr	Met	Asn	Leu	Lys	Pro	Leu	Ser	Gly	Ser	Asp	Arg
1391		2090					2095					2100			
1394	Ala	Trp	Met	Trp	Leu	Ala	Ser	Asp	Phe	Ser	Asp	Gly	Asp	Ala	Lys
1395		2105					2110					2115			
1398	Leu	Glu	Gln	Leu	Ala	Ala	Lys	Phe	Lys	Thr	Pro	Glu	Leu	Ala	Glu

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/315,355B

DATE: 12/02/2003

TIME: 13:05:40

Input Set : N:\paola\09315355.txt

Output Set: N:\CRF4\12022003\I315355B.raw

1399	2120		2125		2130
1402	Glu Phe	Lys Gln Lys Phe	Glu Glu Cys Gln Arg	Leu	Leu Leu Asp
1403	2135		2140		2145
1406	Ile Pro	Leu Gln Thr Pro	His Lys Leu Val Asp	Thr	Gly Arg Ala
1407	2150		2155		2160
1410	Ala Lys	Leu Ile Gln Arg	Ala Glu Glu Met Lys	Ser	Gly Leu Lys
1411	2165		2170		2175
1414	Asp Phe	Lys Thr Phe Leu	Thr Asn Asp Gln Thr	Lys	Val Thr Glu
1415	2180		2185		2190
1418	Glu Glu	Asn Lys Gly Ser	Gly Thr Gly Ala Ala	Gly	Ala Ser Asp
1419	2195		2200		2205
1422	Thr Thr	Ile Lys Pro Asn	Pro Glu Asn Thr Gly	Pro	Thr Leu Glu
1423	2210		2215		2220
1426	Trp Asp	Asn Tyr Asp Leu	Arg Glu Asp Ala Leu	Asp	Asp Ser Val
1427	2225		2230		2235
1430	Ser Ser	Ser Ser Val His	Ala Ser Pro Leu Ala	Ser	Ser Pro Val
1431	2240		2245		2250
1434	Arg Lys	Asn Leu Phe Arg	Phe Gly Glu Ser Thr	Thr	Gly Phe Asn
1435	2255		2260		2265
1438	Phe Ser	Phe Lys Ser Ala	Leu Ser Pro Ser Lys	Ser	Pro Ala Lys
1439	2270		2275		2280
1442	Leu Asn	Gln Ser Gly Thr	Ser Val Gly Thr Asp	Glu	Glu Ser Asp
1443	2285		2290		2295
1446	Val Thr	Gln Glu Glu Glu	Arg Asp Gly Gln Tyr	Phe	Glu Pro Val
1447	2300		2305		2310
1450	Val Pro	Leu Pro Asp Leu	Val Glu Val Ser Ser	Gly	Glu Glu Asn
1451	2315		2320		2325
1454	Glu Gln	Val Val Phe Ser	His Arg Ala Lys Leu	Tyr	Arg Tyr Asp
1455	2330		2335		2340
1458	Lys Asp	Val Gly Gln Trp	Lys Glu Arg Gly Ile	Gly	Asp Ile Lys
1459	2345		2350		2355
1462	Ile Leu	Gln Asn Tyr Asp	Asn Lys Gln Val Arg	Ile	Val Met Arg
1463	2360		2365		2370
1466	Arg Asp	Gln Val Leu Lys	Leu Cys Ala Asn His	Arg	Ile Thr Pro
1467	2375		2380		2385
1470	Asp Met	Thr Leu Gln Asn	Met Lys Gly Thr Glu	Arg	Val Trp Leu
1471	2390		2395		2400
1474	Trp Thr	Ala Cys Asp Phe	Ala Asp Gly Glu Arg	Lys	Val Glu His
1475	2405		2410		2415
1478	Leu Ala	Val Arg Phe Lys	Leu Gln Asp Val Ala	Asp	Ser Phe Lys
1479	2420		2425		2430
1482	Lys Ile	Phe Asp Glu Ala	Lys Thr Ala Gln Glu	Lys	Asp Ser Leu
1483	2435		2440		2445
1486	Ile Thr	Pro His Val Ser	Arg Ser Ser Thr Pro	Arg	Glu Ser Pro
1487	2450		2455		2460
1490	Cys Gly	Lys Ile Ala Val	Ala Val Leu Glu Glu	Thr	Thr Arg Glu
1491	2465		2470		2475
1494	Arg Thr	Asp Val Ile Gln	Gly Asp Asp Val Ala	Asp	Ala Thr Ser
1495	2480		2485		2490

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/315,355B

DATE: 12/02/2003

TIME: 13:05:40

Input Set : N:\paola\09315355.txt

Output Set: N:\CRF4\12022003\I315355B.raw

1498	Glu	Val	Glu	Val	Ser	Ser	Thr	Ser	Glu	Thr	Thr	Pro	Lys	Ala	Val
1499		2495					2500					2505			
1502	Val	Ser	Pro	Pro	Lys	Phe	Val	Phe	Gly	Ser	Glu	Ser	Val	Lys	Ser
1503		2510					2515					2520			
1506	Ile	Phe	Ser	Ser	Glu	Lys	Ser	Lys	Pro	Phe	Ala	Phe	Gly	Asn	Ser
1507		2525					2530					2535			
1510	Ser	Ala	Thr	Gly	Ser	Leu	Phe	Gly	Phe	Ser	Phe	Asn	Ala	Pro	Leu
1511		2540					2545					2550			
1514	Lys	Ser	Asn	Asn	Ser	Glu	Thr	Ser	Ser	Val	Ala	Gln	Ser	Gly	Ser
1515		2555					2560					2565			
1518	Glu	Ser	Lys	Val	Glu	Pro	Lys	Lys	Cys	Glu	Leu	Ser	Lys	Asn	Ser
1519		2570					2575					2580			
1522	Asp	Ile	Glu	Gln	Ser	Ser	Asp	Ser	Lys	Val	Lys	Asn	Leu	Phe	Ala
1523		2585					2590					2595			
1526	Ser	Phe	Pro	Thr	Glu	Glu	Ser	Ser	Ile	Asn	Tyr	Thr	Phe	Lys	Thr
1527		2600					2605					2610			
1530	Pro	Glu	Lys	Ala	Lys	Glu	Lys	Lys	Lys	Pro	Glu	Asp	Ser	Pro	Ser
1531		2615					2620					2625			
1534	Asp	Asp	Asp	Val	Leu	Ile	Val	Tyr	Glu	Leu	Thr	Pro	Thr	Ala	Glu
1535		2630					2635					2640			
1538	Gln	Lys	Ala	Leu	Ala	Thr	Lys	Leu	Lys	Leu	Pro	Pro	Thr	Phe	Phe
1539		2645					2650					2655			
1542	Cys	Tyr	Lys	Asn	Arg	Pro	Asp	Tyr	Val	Ser	Glu	Glu	Glu	Glu	Asp
1543		2660					2665					2670			
1546	Asp	Glu	Asp	Phe	Glu	Thr	Ala	Val	Lys	Lys	Leu	Asn	Gly	Lys	Leu
1547		2675					2680					2685			
1550	Tyr	Leu	Asp	Gly	Ser	Glu	Lys	Cys	Arg	Pro	Leu	Glu	Glu	Asn	Thr
1551		2690					2695					2700			
1554	Ala	Asp	Asn	Glu	Lys	Glu	Cys	Ile	Ile	Val	Trp	Glu	Lys	Lys	Pro
1555		2705					2710					2715			
1558	Thr	Val	Glu	Glu	Lys	Ala	Lys	Ala	Asp	Thr	Leu	Lys	Leu	Pro	Pro
1559		2720					2725					2730			
1562	Thr	Phe	Phe	Cys	Gly	Val	Cys	Ser	Asp	Thr	Asp	Glu	Asp	Asn	Gly
1563		2735					2740					2745			
1566	Asn	Gly	Glu	Asp	Phe	Gln	Ser	Glu	Leu	Gln	Lys	Val	Gln	Glu	Ala
1567		2750					2755					2760			
1570	Gln	Lys	Ser	Gln	Thr	Glu	Glu	Ile	Thr	Ser	Thr	Thr	Asp	Ser	Val
1571		2765					2770					2775			
1574	Tyr	Thr	Gly	Gly	Thr	Glu	Val	Met	Val	Pro	Ser	Phe	Cys	Lys	Ser
1575		2780					2785					2790			
1578	Glu	Glu	Pro	Asp	Ser	Ile	Thr	Lys	Ser	Ile	Ser	Ser	Pro	Ser	Val
1579		2795					2800					2805			
1582	Ser	Ser	Glu	Thr	Met	Asp	Lys	Pro	Val	Asp	Leu	Ser	Thr	Arg	Lys
1583		2810					2815					2820			
1586	Glu	Ile	Asp	Thr	Asp	Ser	Thr	Ser	Gln	Gly	Glu	Ser	Lys	Ile	Val
1587		2825					2830					2835			
1590	Ser	Phe	Gly	Phe	Gly	Ser	Ser	Thr	Gly	Leu	Ser	Phe	Ala	Asp	Leu
1591		2840					2845					2850			
1594	Ala	Ser	Ser	Asn	Ser	Gly	Asp	Phe	Ala	Phe	Gly	Ser	Lys	Asp	Lys

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/315,355B

DATE: 12/02/2003

TIME: 13:05:40

Input Set : N:\paola\09315355.txt

Output Set: N:\CRF4\12022003\I315355B.raw

1595	2855	2860	2865
1598	Asn Phe Gln Trp Ala Asn Thr Gly Ala Ala Val Phe Gly Thr Gln		
1599	2870	2875	2880
1602	Ser Val Gly Thr Gln Ser Ala Gly Lys Val Gly Glu Asp Glu Asp		
1603	2885	2890	2895
1606	Gly Ser Asp Glu Glu Val Val His Asn Glu Asp Ile His Phe Glu		
1607	2900	2905	2910
1610	Pro Ile Val Ser Leu Pro Glu Val Glu Val Lys Ser Gly Glu Glu		
1611	2915	2920	2925
1614	Asp Glu Glu Ile Leu Phe Lys Glu Arg Ala Lys Leu Tyr Arg Trp		
1615	2930	2935	2940
1618	Asp Arg Asp Val Ser Gln Trp Lys Glu Arg Gly Val Gly Asp Ile		
1619	2945	2950	2955
1622	Lys Ile Leu Trp His Thr Met Lys Asn Tyr Tyr Arg Ile Leu Met		
1623	2960	2965	2970
1626	Arg Arg Asp Gln Val Phe Lys Val Cys Ala Asn His Val Ile Thr		
1627	2975	2980	2985
1630	Lys Thr Met Glu Leu Lys Pro Leu Asn Val Ser Asn Asn Ala Leu		
1631	2990	2995	3000
1634	Val Trp Thr Ala Ser Asp Tyr Ala Asp Gly Glu Ala Lys Val Glu		
1635	3005	3010	3015
1638	Gln Leu Ala Val Arg Phe Lys Thr Lys Glu Val Ala Asp Cys Phe		
1639	3020	3025	3030
1642	Lys Lys Thr Phe Glu Glu Cys Gln Gln Asn Leu Met Lys Leu Gln		
1643	3035	3040	3045
1646	Lys Gly His Val Ser Leu Ala Ala Glu Leu Ser Lys Glu Thr Asn		
1647	3050	3055	3060
1650	Pro Val Val Phe Phe Asp Val Cys Ala Asp Gly Glu Pro Leu Gly		
1651	3065	3070	3075
1654	Arg Ile Thr Met Glu Leu Phe Ser Asn Ile Val Pro Arg Thr Ala		
1655	3080	3085	3090
1658	Glu Asn Phe Arg Ala Leu Cys Thr Gly Glu Lys Gly Phe Gly Phe		
1659	3095	3100	3105
1662	Lys Asn Ser Ile Phe His Arg Val Ile Pro Asp Phe Val Cys Gln		
1663	3110	3115	3120
1666	Gly Gly Asp Ile Thr Lys His Asp Gly Thr Gly Gly Gln Ser Ile		
1667	3125	3130	3135
1670	Tyr Gly Asp Lys Phe Glu Asp Glu Asn Phe Asp Val Lys His Thr		
1671	3140	3145	3150
1674	Gly Pro Gly Leu Leu Ser Met Ala Asn Gln Gly Gln Asn Thr Asn		
1675	3155	3160	3165
1678	Asn Ser Gln Phe Val Ile Thr Leu Lys Lys Ala Glu His Leu Asp		
1679	3170	3175	3180
1682	Phe Lys His Val Val Phe Gly Phe Val Lys Asp Gly Met Asp Thr		
1683	3185	3190	3195
1686	Val Lys Lys Ile Glu Ser Phe Gly Ser Pro Lys Gly Ser Val Cys		
1687	3200	3205	3210
1690	Arg Arg Ile Thr Ile Thr Glu Cys Gly Gln Ile		
1691	3215	3220	

## VERIFICATION SUMMARY

DATE: 12/02/2003

PATENT APPLICATION: US/09/315,355B

TIME: 13:05:41

Input Set : N:\paola\09315355.txt

Output Set: N:\CRF4\12022003\I315355B.raw

L:730 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0  
L:751 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:16  
L:842 M:333 E: Wrong sequence grouping, Amino acids not in groups!  
L:842 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:2  
L:842 M:252 E: No. of Seq. differs, <211> LENGTH:Input:3224 Found:330 SEQ:34  
L:844 M:280 W: Numeric Identifier already exists, <110> found multiple times  
L:844 M:281 W: Numeric Fields not Ordered, <110> not ordered!.  
L:848 M:280 W: Numeric Identifier already exists, <120> found multiple times  
L:848 M:281 W: Numeric Fields not Ordered, <120> not ordered!.  
L:850 M:280 W: Numeric Identifier already exists, <130> found multiple times  
L:850 M:281 W: Numeric Fields not Ordered, <130> not ordered!.  
L:852 M:280 W: Numeric Identifier already exists, <140> found multiple times  
L:852 M:281 W: Numeric Fields not Ordered, <140> not ordered!.  
L:853 M:280 W: Numeric Identifier already exists, <141> found multiple times  
L:853 M:281 W: Numeric Fields not Ordered, <141> not ordered!.  
L:855 M:281 W: Numeric Fields not Ordered, <150> not ordered!.  
L:857 M:280 W: Numeric Identifier already exists, <110> found multiple times  
L:857 M:281 W: Numeric Fields not Ordered, <110> not ordered!.  
L:861 M:280 W: Numeric Identifier already exists, <120> found multiple times  
L:861 M:281 W: Numeric Fields not Ordered, <120> not ordered!.  
L:863 M:280 W: Numeric Identifier already exists, <130> found multiple times  
L:863 M:281 W: Numeric Fields not Ordered, <130> not ordered!.  
L:865 M:280 W: Numeric Identifier already exists, <140> found multiple times  
L:865 M:281 W: Numeric Fields not Ordered, <140> not ordered!.  
L:866 M:280 W: Numeric Identifier already exists, <141> found multiple times  
L:866 M:281 W: Numeric Fields not Ordered, <141> not ordered!.  
L:868 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE  
L:870 M:280 W: Numeric Identifier already exists, <110> found multiple times  
L:870 M:281 W: Numeric Fields not Ordered, <110> not ordered!.  
L:874 M:280 W: Numeric Identifier already exists, <120> found multiple times  
L:874 M:281 W: Numeric Fields not Ordered, <120> not ordered!.  
L:876 M:280 W: Numeric Identifier already exists, <130> found multiple times  
L:876 M:281 W: Numeric Fields not Ordered, <130> not ordered!.  
L:878 M:280 W: Numeric Identifier already exists, <140> found multiple times  
L:878 M:281 W: Numeric Fields not Ordered, <140> not ordered!.  
L:879 M:280 W: Numeric Identifier already exists, <141> found multiple times  
L:879 M:281 W: Numeric Fields not Ordered, <141> not ordered!.  
L:881 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE  
L:883 M:280 W: Numeric Identifier already exists, <110> found multiple times  
L:883 M:281 W: Numeric Fields not Ordered, <110> not ordered!.  
L:887 M:280 W: Numeric Identifier already exists, <120> found multiple times  
L:887 M:281 W: Numeric Fields not Ordered, <120> not ordered!.  
L:889 M:280 W: Numeric Identifier already exists, <130> found multiple times  
L:889 M:281 W: Numeric Fields not Ordered, <130> not ordered!.  
L:891 M:280 W: Numeric Identifier already exists, <140> found multiple times  
L:891 M:281 W: Numeric Fields not Ordered, <140> not ordered!.  
L:892 M:280 W: Numeric Identifier already exists, <141> found multiple times  
L:892 M:281 W: Numeric Fields not Ordered, <141> not ordered!.

## VERIFICATION SUMMARY

DATE: 12/02/2003

PATENT APPLICATION: US/09/315,355B

TIME: 13:05:41

Input Set : N:\paola\09315355.txt

Output Set: N:\CRF4\12022003\I315355B.raw

L:894 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE  
L:896 M:280 W: Numeric Identifier already exists, <110> found multiple times  
L:896 M:281 W: Numeric Fields not Ordered, <110> not ordered!.  
L:900 M:280 W: Numeric Identifier already exists, <120> found multiple times  
L:900 M:281 W: Numeric Fields not Ordered, <120> not ordered!.  
L:902 M:280 W: Numeric Identifier already exists, <130> found multiple times  
L:902 M:281 W: Numeric Fields not Ordered, <130> not ordered!.  
L:904 M:280 W: Numeric Identifier already exists, <140> found multiple times  
L:904 M:281 W: Numeric Fields not Ordered, <140> not ordered!.  
L:905 M:280 W: Numeric Identifier already exists, <141> found multiple times  
L:905 M:281 W: Numeric Fields not Ordered, <141> not ordered!.  
L:907 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE  
L:909 M:280 W: Numeric Identifier already exists, <110> found multiple times  
L:909 M:281 W: Numeric Fields not Ordered, <110> not ordered!.  
L:913 M:280 W: Numeric Identifier already exists, <120> found multiple times  
L:913 M:281 W: Numeric Fields not Ordered, <120> not ordered!.  
L:915 M:280 W: Numeric Identifier already exists, <130> found multiple times  
L:915 M:281 W: Numeric Fields not Ordered, <130> not ordered!.  
L:917 M:280 W: Numeric Identifier already exists, <140> found multiple times  
L:917 M:281 W: Numeric Fields not Ordered, <140> not ordered!.  
L:918 M:280 W: Numeric Identifier already exists, <141> found multiple times  
L:918 M:281 W: Numeric Fields not Ordered, <141> not ordered!.  
L:920 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE  
L:922 M:280 W: Numeric Identifier already exists, <110> found multiple times  
L:922 M:281 W: Numeric Fields not Ordered, <110> not ordered!.  
L:926 M:280 W: Numeric Identifier already exists, <120> found multiple times  
L:926 M:281 W: Numeric Fields not Ordered, <120> not ordered!.  
L:928 M:280 W: Numeric Identifier already exists, <130> found multiple times  
L:928 M:281 W: Numeric Fields not Ordered, <130> not ordered!.  
L:930 M:280 W: Numeric Identifier already exists, <140> found multiple times  
L:930 M:281 W: Numeric Fields not Ordered, <140> not ordered!.  
L:931 M:280 W: Numeric Identifier already exists, <141> found multiple times  
L:931 M:281 W: Numeric Fields not Ordered, <141> not ordered!.  
L:933 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE  
L:935 M:280 W: Numeric Identifier already exists, <110> found multiple times  
L:935 M:281 W: Numeric Fields not Ordered, <110> not ordered!.  
L:939 M:280 W: Numeric Identifier already exists, <120> found multiple times  
L:939 M:281 W: Numeric Fields not Ordered, <120> not ordered!.  
L:941 M:280 W: Numeric Identifier already exists, <130> found multiple times  
L:941 M:281 W: Numeric Fields not Ordered, <130> not ordered!.  
L:943 M:280 W: Numeric Identifier already exists, <140> found multiple times  
L:943 M:281 W: Numeric Fields not Ordered, <140> not ordered!.  
L:944 M:280 W: Numeric Identifier already exists, <141> found multiple times  
L:944 M:281 W: Numeric Fields not Ordered, <141> not ordered!.  
L:946 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE  
L:948 M:280 W: Numeric Identifier already exists, <110> found multiple times  
L:948 M:281 W: Numeric Fields not Ordered, <110> not ordered!.  
L:952 M:280 W: Numeric Identifier already exists, <120> found multiple times  
L:952 M:281 W: Numeric Fields not Ordered, <120> not ordered!.

## VERIFICATION SUMMARY

DATE: 12/02/2003

PATENT APPLICATION: US/09/315,355B

TIME: 13:05:41

Input Set : N:\paola\09315355.txt

Output Set: N:\CRF4\12022003\I315355B.raw

L:954 M:280 W: Numeric Identifier already exists, <130> found multiple times  
L:954 M:281 W: Numeric Fields not Ordered, <130> not ordered!.  
L:956 M:280 W: Numeric Identifier already exists, <140> found multiple times  
L:956 M:281 W: Numeric Fields not Ordered, <140> not ordered!.  
L:957 M:280 W: Numeric Identifier already exists, <141> found multiple times  
L:957 M:281 W: Numeric Fields not Ordered, <141> not ordered!.  
L:959 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE  
L:961 M:280 W: Numeric Identifier already exists, <110> found multiple times  
L:961 M:281 W: Numeric Fields not Ordered, <110> not ordered!.  
L:965 M:280 W: Numeric Identifier already exists, <120> found multiple times  
L:965 M:281 W: Numeric Fields not Ordered, <120> not ordered!.  
L:967 M:280 W: Numeric Identifier already exists, <130> found multiple times  
L:967 M:281 W: Numeric Fields not Ordered, <130> not ordered!.  
L:969 M:280 W: Numeric Identifier already exists, <140> found multiple times  
L:969 M:281 W: Numeric Fields not Ordered, <140> not ordered!.  
L:970 M:280 W: Numeric Identifier already exists, <141> found multiple times  
L:972 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE  
L:985 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE  
L:998 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE  
L:1011 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE  
L:1024 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE  
L:1037 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE  
L:1050 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE  
L:1051 M:259 W: Allowed number of lines exceeded, <150> PRIOR APPLICATION NUMBER:  
L:1054 M:282 E: Numeric Field Identifier Missing, <210> is required.  
L:1054 M:282 E: Numeric Field Identifier Missing, <211> is required.  
L:1054 M:282 E: Numeric Field Identifier Missing, <212> is required.  
L:1054 M:282 E: Numeric Field Identifier Missing, <213> is required.  
L:1054 M:200 E: Mandatory Header Field missing, <400> is required.

**STATISTICS SUMMARY**

DATE: 12/02/2003

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Input Set : N:\paola\09315355.txt

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Application Serial Number: US/09/315,355B

Alpha or Numeric or Xml: Numeric

Application Class:

Application File Date: 05-17-1999

Art Unit: 1600

Software Application: PatentIN3.1

Total Number of Sequences: 46

Total Nucleotides: 0

Total Amino Acids: 2647

Number of Errors: 8

Number of Warnings: 208

Number of Corrections: 0

**MESSAGE SUMMARY**

200 E: 1 (Mandatory Header Field missing)

252 E: 1 (No. of Seq. differs)

259 W: 1 (Allowed number of lines exceeded)

280 W: 80 (Numeric Identifier already exists)

281 W: 96 (Numeric Fields not Ordered)

282 E: 4 (Numeric Field Identifier Missing)

288 W: 14 (Application Number is Repeated)

289 W: 15 (Identifier Missing or Out-Of-Order)

330 E: 1 ((2) Invalid Amino Acid Designator)

333 E: 1 (Wrong sequence grouping)

341 W: 2 ((46) "n" or "Xaa" used)